

17W

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Kimerling et al.

GROUP: 2874

SERIAL NO: 10/733,977

EXAMINER: Unknown

FILED: 12/11/2003

FOR: WAVEGUIDE-TO-SEMICONDUCTOR DEVICE COUPLER

Mail Stop DD  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:


INFORMATION DISCLOSURE STATEMENT

In compliance with 37 C.F.R. §§1.56, 1.97, and 1.98, Applicant submits copies of the documents listed on the attached Form PTO-1449.

The listed documents were recently cited in a corresponding PCT application, and a copy of the International Search Report is being submitted herewith for purposes of convenience.

The Commissioner is authorized to charge Deposit Order Account No. 19-0079 for any further fee that is required.

Respectfully submitted,



Matthew E. Connors  
Registration No. 33,298  
Gauthier & Connors, LLP  
225 Franklin Street, Suite 3300  
Boston, Massachusetts 02110  
Telephone: (617) 426-9180  
Extension: 112

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Mail Stop DD, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Emily C. Powell02/02/2004  
Date

FORM PTO-1449 SAMUELS, GAUTHIER & STEVENS LLP  
(Rev. 5/92) 225 Franklin Street, Boston, MA 02110  
Telephone: (617) 426-9180

MIT.10086  
ATTORNEY DOCKET NO.

10/733,977  
SERIAL NO.

APPLICANT: Kimerling et al.

GROUP: 2874

FILING DATE: 12/11/2003

EXAMINER: Unknown

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

JUL 09 2004

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5,107,316	04/21/1992	Jelley et al.			12/28/1989
AB						
AC						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AD	62011810	01/20/1987	JP			YES (Abstract Only)
AE	923335	10/23/1982	SU			YES (Abstract Only)
AF						

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
AG		"Development and Application of flux-paste for laser welding of aluminum alloys," Cretteur et al. <i>Welding International</i> . 2000.
AH		"Theoretical study on the coupling of two-dimensional Gaussian beam to a dielectric slab waveguide," Nishimura et al. <i>Transactions of the Institute of Electronics and Communication Engineers of Japan</i> . May 1984.
AI		"Fresnel-like behavior of guided waves," Shen et al. <i>Journal of Optical Society of America</i> . November 1987.
AJ		"Ultrafast photon drag detector for intersubband spectroscopy," Sigg et al. <i>Superlattices and Microstructures</i> . 1996. Vol. 19, No. 2.
AK		"Critical-Incidence Coupling to intersubband Excitations," Keilmann et al. <i>Solid State Communications</i> . 1994. Vol. 92, No. 3.
AL		"Efficient high-speed near-infrared Ge photodetectors integrated on Si Substrates," Colace et al. <i>Applied Physics Letters</i> . 2000. Vol. 76, No. 10.
AM		"Optoelectronic Conversion through 850nm Band Single Mode Si <sub>3</sub> N <sub>4</sub> Photonic Waveguides for Si-On-Chip Integration," Matsuura et al. <i>Device Research Conference, Conference Proceedings</i> . Santa Barbara, CA. June 2002.
AN		"Near and mid infrared silicon/germanium based photodetection," Presting. <i>Thin Solid Films</i> . 1998. Vol. 321.

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.